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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/757,571	01/15/2004	Cheng-Yu Chuang	CHUANG15	4527

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EXAMINER

CHAMBERS, MICHAEL S

ART UNIT PAPER NUMBER

3711

DATE MAILED: 07/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/757,571

Applicant(s)

CHUANG, CHENG-YU

Examiner

Mike Chambers

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 13 June 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) 3 and 4 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1 and 2 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Election/Restrictions***

Applicant's election without traverse of claims 1-2 is acknowledged. Claims 3-4 are withdrawn from further consideration, as directed to claims non-elected without traverse CFR1.142.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claim 1 is rejected under 35 U.S.C. 102(a) as being anticipated by Chen (20030162608). Chen discloses a metallic head housing having a face, a sole, a rear, a toe and a heel, wherein the head housing is hollow and is open at a top thereof (2:paragraph 16), and a nonmetallic crown coupled to the top of the head housing, wherein the crown has two arms coupled to the toe and the heel of the head housing respectively (fig 1, 1:paragraph 13 item 3). In as much structure set forth by the applicant in the claims, the device meets the limitations claimed (See MPEP 2112).

Also,

Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by Beach et al (6872152). Beach discloses a metallic head housing having a face, a sole, a rear, a toe and a heel, wherein the head housing is hollow and is open at a top thereof, and a nonmetallic crown coupled to the top of the head housing, wherein the crown has two arms coupled to the toe and the heel of the head housing respectively (fig 4, 4:3-6,4:29-34). In as much structure set forth by the applicant in the claims, the device meets the limitations claimed (See MPEP 2112).

Also,

Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by Onoda et al (20050119068). Onoda discloses a metallic head housing having a face, a sole, a rear, a toe and a heel, wherein the head housing is hollow and is open at a top thereof, and a nonmetallic crown coupled to the top of the head housing, wherein the crown has two arms coupled to the toe and the heel of the head housing respectively (fig 2, 2: paragraph 18). In as much structure set forth by the applicant in the claims, the device meets the limitations claimed (See MPEP 2112).

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Chen as applied to claim 1 above and further in view of Long et al (5292129). Long discloses the

use of sawtooth/dovetail attachment means. The use of dovetail type joints is well known in the attachment art. The specification provides no surprising or unanticipated results from using the attachment means at the toe and heel of the club. It would have been obvious to one of ordinary skill in the art at the time of the invention to have selected any one of several equivalent attachment means based on cost and design considerations.

Also,

Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Beach as applied to claim 1 above and further in view of Long et al (5292129). Long discloses the use of sawtooth/dovetail attachment means. The use of dovetail type joints is well known in the attachment art. The specification provides no surprising or unanticipated results from using the attachment means at the toe and heel of the club. It would have been obvious to one of ordinary skill in the art at the time of the invention to have selected any one of several equivalent attachment means based on cost and design considerations.

Also,

Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Onoda as applied to claim 1 above and further in view of Long et al (5292129). Onoda discloses the type of attachment means is not critical (paragraph 47-48). Long discloses the use of sawtooth/dovetail attachment means. The use of dovetail type joints is well known in the attachment art. The specification provides no surprising or unanticipated results

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from using the attachment means at the toe and heel of the club. It would have been obvious to one of ordinary skill in the art at the time of the invention to have selected any one of several equivalent attachment means based on cost and design considerations.

### ***Conclusion***


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mike Chambers whose telephone number is 571-272-4407. The examiner can normally be reached on Mon-Fri 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Greg Vidovich can be reached on 571-272-4415. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

20050119068\*20030162608\*6872152  
June 29, 2005

Michael Chambers  
Examiner  
Art Unit 3711

  
GREGORY VIDOVICH  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 3700